

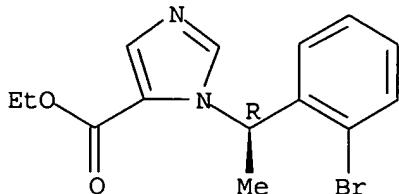
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation, reductive debromination, and tritiation of)

RN 112366-49-1 HCPLUS

CN 1H-Imidazole-5-carboxylic acid, 1-[1-(2-bromophenyl)ethyl]-, ethyl ester, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 6 OF 6 HCPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1988:51267 HCPLUS

DOCUMENT NUMBER: 108:51267

TITLE: Imidazolecarboxylate herbicides

INVENTOR(S): Van Gestel, Jozef Frans Elisabe; Lutz, William R.; Van Lommen, Guy Rosalia Eugene; Fischer, Hanspeter; Schroven, Marc Francis Josephin; Thummel, Rudolph C.

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 42 pp.

DOCUMENT TYPE: Patent

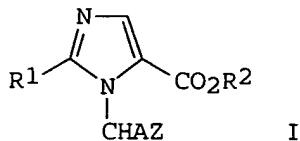
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 240050	A1	19871007	EP 1987-200390	19870304
EP 240050	B1	19910626		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4770689	A	19880913	US 1986-944694	19861219
SU 1558302	A3	19900415	SU 1987-4202079	19870303
AT 64678	E	19910715	AT 1987-200390	19870304
PL 149675	B1	19900331	PL 1987-264461	19870305
DK 8701214	A	19870911	DK 1987-1214	19870309
AU 8769831	A1	19870917	AU 1987-69831	19870309
AU 597038	B2	19900524		
ZA 8701693	A	19881026	ZA 1987-1693	19870309
IL 81831	A1	19910512	IL 1987-81831	19870309
CA 1289142	A1	19910917	CA 1987-531464	19870309
CN 87101880	A	19870923	CN 1987-101880	19870310
CN 1023317	B	19931229		
JP 62277363	A2	19871202	JP 1987-53190	19870310
BR 8701097	A	19871229	BR 1987-1097	19870310
HU 44405	A2	19880328	HU 1987-1005	19870310
HU 201451	B	19901128		
PRIORITY APPLN. INFO.:				
		US 1986-838067	A 19860310	
		US 1986-944694	A 19861219	
		EP 1987-200390	A 19870304	
OTHER SOURCE(S):	CASREACT	108:51267		

GI



AB The imidazolecarboxylates I [R1 = H, SH; R2 = H, alkyl, alkynyl, alkyloxyalkyl, aryl alkyl, (un)substituted Ph, etc., A = H, cycloalkyl, alkylcycloalkyl, alkyl, (un)substituted pyridinyl, pyrimidinyl, furanyl, thieryl, etc.; Z = (un)substituted thieryl, Ph, pyridinyl, etc.] some of which are new, are useful as herbicides. NaOMe in THF was treated with HCO₂Me and Me N-formyl-N-[1-(4-methylphenyl)butyl]glycine, to give I (R1 = SH, R2 = Me, Z = 4-MeC₆H₄, A = Pr). Pre-emergence I [R1 = H, R2 = Me, Z = Z = 2-(MeO)C₆H₄, A = Pr (1 kg/ha) controlled, Digitaria sanguinalis, Galium aparine and other weeds with no toxicity to corn. Dust formulations were made of I 2, SiO₂, 1, and talc 97%.

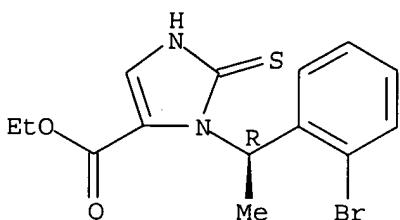
IT 112366-36-6P 112366-42-4P 112366-43-5P
112366-50-4P 112366-60-6P 112421-35-9P
112421-37-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

RN 112366-36-6 HCPLUS

CN 1H-Imidazole-4-carboxylic acid, 3-[1-(2-bromophenyl)ethyl]-2,3-dihydro-2-thioxo-, ethyl ester, (R)- (9CI) (CA INDEX NAME)

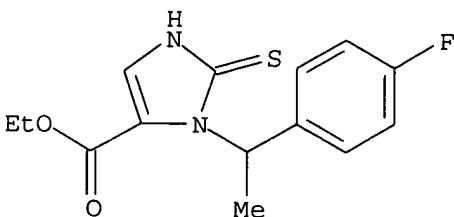
Absolute stereochemistry.



RN 112366-42-4 HCPLUS

CN 1H-Imidazole-4-carboxylic acid, 3-[1-(4-fluorophenyl)ethyl]-2,3-dihydro-2-thioxo-, ethyl ester, (-) - (9CI) (CA INDEX NAME)

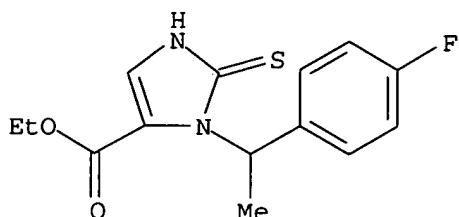
Rotation (-).



RN 112366-43-5 HCPLUS

CN 1H-Imidazole-4-carboxylic acid, 3-[1-(4-fluorophenyl)ethyl]-2,3-dihydro-2-thioxo-, ethyl ester, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



RN 112366-50-4 HCPLUS

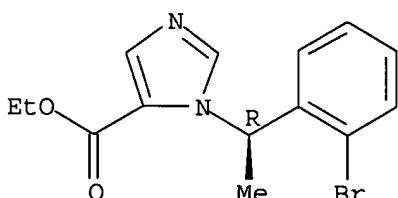
CN 1H-Imidazole-5-carboxylic acid, 1-[1-(2-bromophenyl)ethyl]-, ethyl ester, (R)-, sulfate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 112366-49-1

CMF C14 H15 Br N2 O2

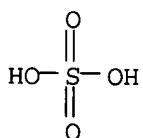
Absolute stereochemistry.



CM 2

CRN 7664-93-9

CMF H2 O4 S



RN 112366-60-6 HCPLUS

CN 1H-Imidazole-5-carboxylic acid, 1-[1-(4-bromophenyl)ethyl]-, ethyl ester, (R)-, sulfate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 112366-59-3

CMF C14 H15 Br N2 O2

02/11/2006 10635294.trn

RN 112421-37-1 HCAPLUS

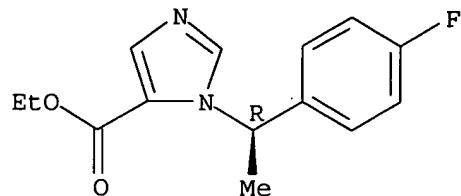
CN 1H-Imidazole-5-carboxylic acid, 1-[1-(4-fluorophenyl)ethyl]-, ethyl ester,
(R)-, sulfate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 112421-36-0

CMF C14 H15 F N2 O2

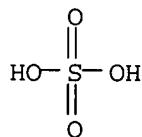
Absolute stereochemistry.



CM 2

CRN 7664-93-9

CMF H2 O4 S



=> log Y

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
--	---------------------	------------------

FULL ESTIMATED COST

108.64	441.31
--------	--------

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
--	---------------------	------------------

CA SUBSCRIBER PRICE

-15.33	-15.33
--------	--------

STN INTERNATIONAL LOGOFF AT 09:27:19 ON 16 AUG 2005